

Figure 1

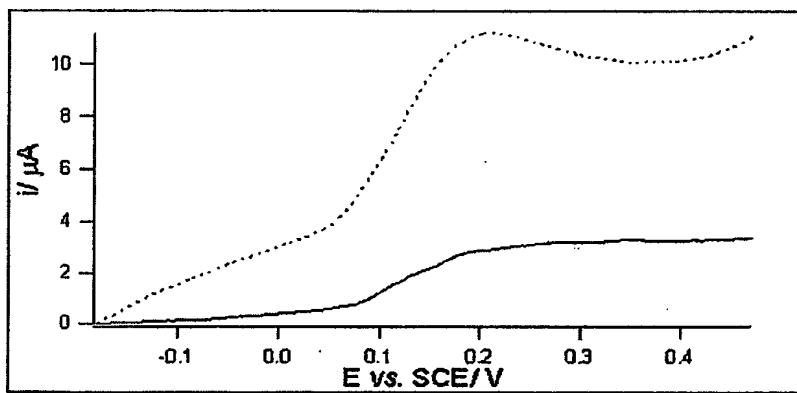
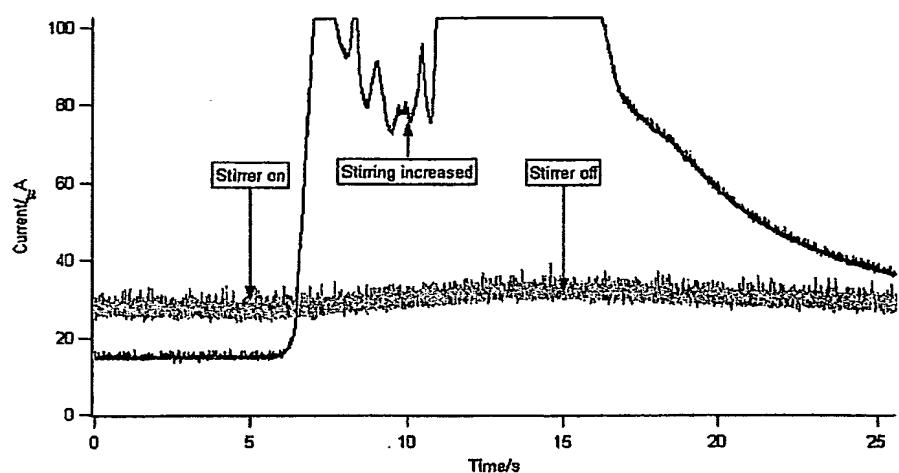


Figure 2

**Figure 3**

Composition	Area fraction found by C-AFM	Predicted slope of Levich plot/ A (rad s ⁻¹) ^{1/2}	Experimental slope of Levich plot/ A (rad s ⁻¹) ^{1/2}	Area fraction comparabl e boundary layer
Bulk conductor	1	1.61×10^{-5}	1.61×10^{-5}	-
40% (w/w)	0.25	4.02×10^{-6}	1.28×10^{-6}	0.318
50% (w/w)	0.33	5.31×10^{-6}	1.30×10^{-6}	0.244
60% (w/w)	0.63	1.01×10^{-5}	8.20×10^{-6}	0.81

Figure 4

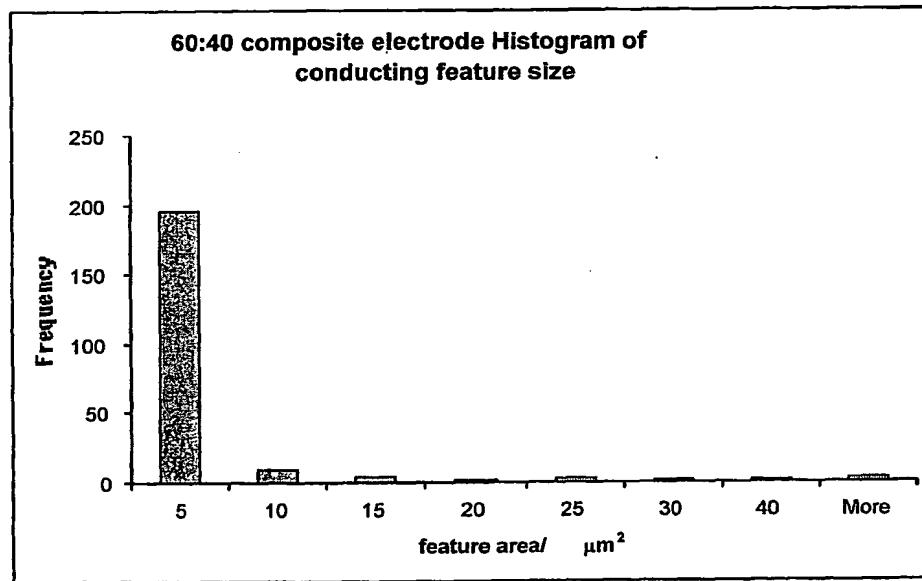
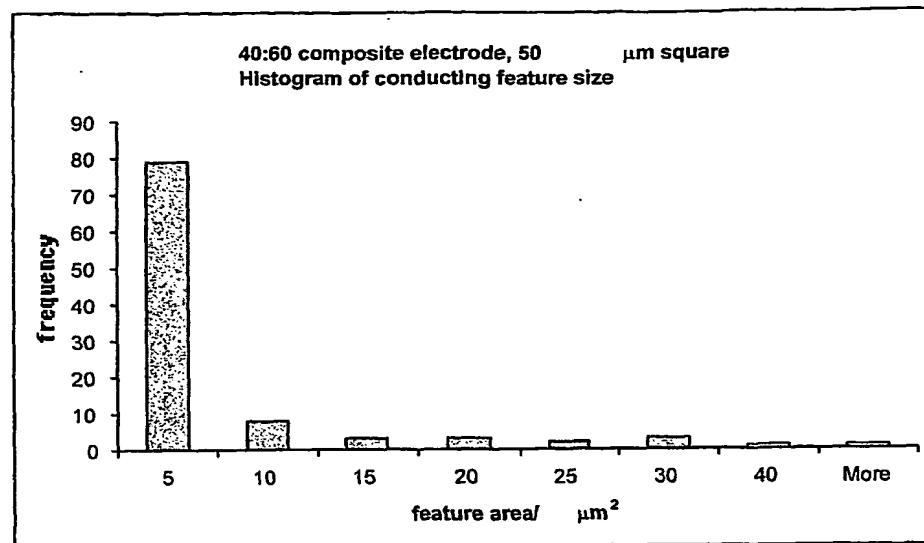


Figure 5

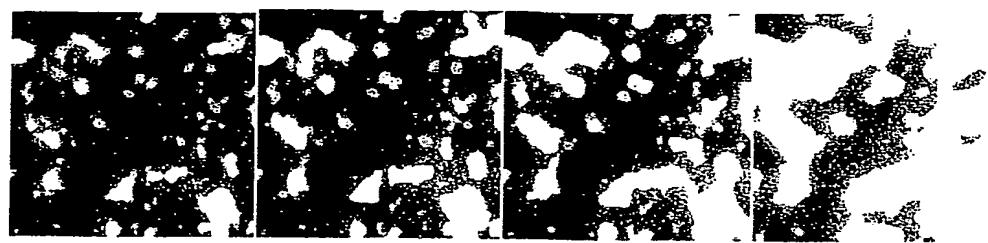
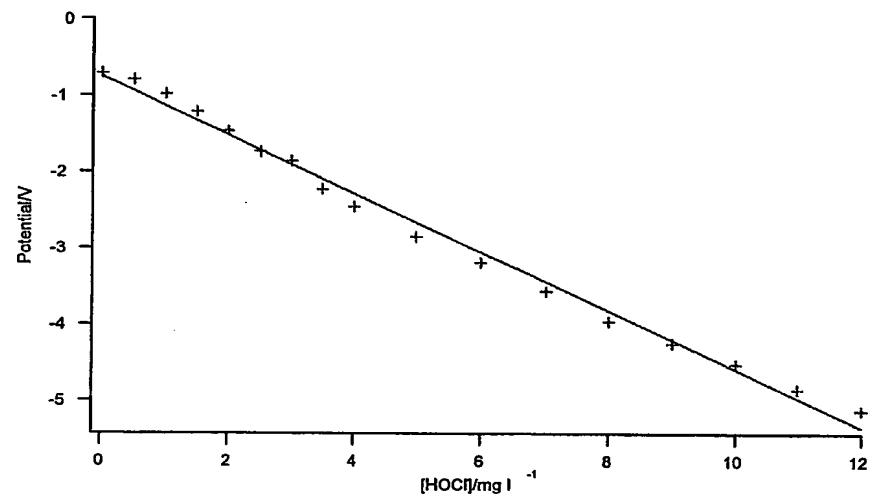
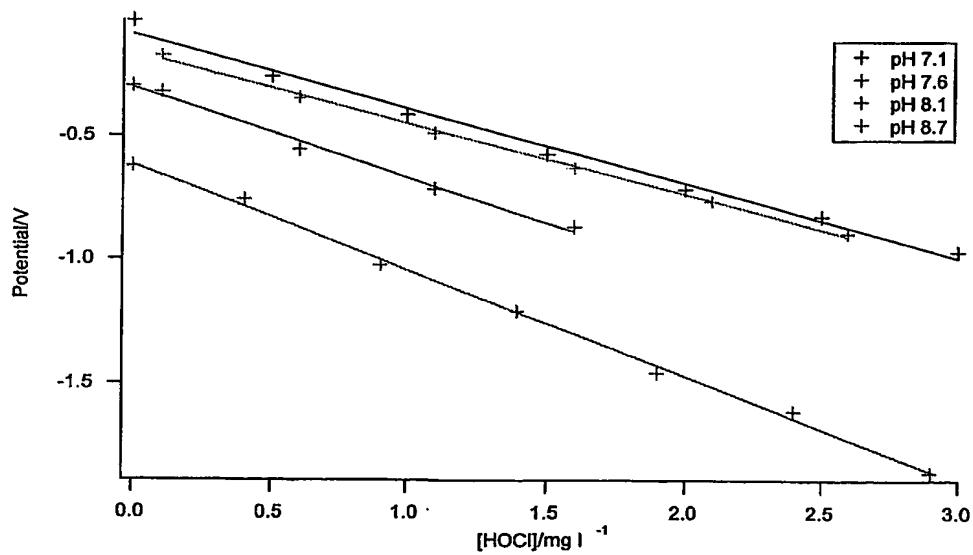
**Figure 6****Figure 7****Figure 8**

Figure 9